



Fig. 22.

elytra furnished with flying hairs. Rather variable in size, .18-.27 in." It was taken by Mr. Caulfield, emerging from a barrel of some kind of dye. The species is supposed to have been introduced from Europe. It has been bred from white birch.

PHYTON, Newm.

A small pale insect, *P. pallidum*, Say, belongs here, and is perhaps doubtfully a true member of the Canadian fauna. It is a trifle under one-fourth of an inch long, of a yellowish colour, the prothorax broad in front of the middle, but narrowed in front and (much more so) behind, the surface with indefinite darker markings. Elytra with four oblique brownish bands, of which the one just behind the middle is broad, the remainder narrow. I have beaten it from

palmetto blossoms in Louisiana. It has been bred from hickory and from *Cercis canadensis*.

OBRIMUM, Serv.

The only Canadian form is *O. rubrum*, Newm., which is one-fourth of an inch in length, shining reddish-testaceous, the head broader than the prothorax, which bears an obtuse dilatation each side near the middle, and has the base and apex nearly equal. The elytra are more closely punctured than the thorax. Thighs strongly clubbed.

NOTES ON PHILÆNUS.

BY CARL F. BAKER, AUBURN, ALABAMA.

Philænus spumarius, L. — From various localities in the New England States I have large series of the typical form of this species, and also specimens representing the well-marked varieties, *leucocephala*, L., and *lineata*, Fabr.

Philænus abjectus, Uhl. — A portion at least of the material recorded under *Lepyronia angulifera* in the Prelim. List Hemip. Colo. belongs to this species. I have taken it at Fort Collins, Colo., and in the adjacent foothills, in May and June. The specimens from this locality are uniformly darker than the type.

Philænus lineatus, L.—I have a large series of this species from the North-eastern U. S., the specimens of which are identical with the typical European form. It seems probable that true *lineatus* is confined to the Eastern U. S. In American publications three distinct species have been confused under this name,—true *lineatus*, the *bilineatus* of Say, and a new species from New England which I shall call *americanus*.

The genus presents two types of elytral venation, one simple and regular, with three or four distinct apical cells, while in the other the elytra are distally irregularly reticulated. *Lineatus*, *spumarius*, *campestris*, *exclamationis*, etc., fall into the first group, while the second group appears to be strictly American, including *abjectus*, *bilineatus* and *americanus*.

Philænus bilineatus, Say.

1831. Say, Journ. Acad. Nat. Sci. Phila. VI., 304 (*Aphrophora bilineata*).

1872. Uhler, List Hem. Colo. and N. M., 472 (*Ptyelus lineatus*).

1876. Uhler, List Hem. region west of Miss. R., 347 (*Philænus lineatus*, var. *bilineata*).

1877. Uhler, Rep. on Ins. Coll. in 1875, 458 (*Philænus lineatus*).

1878. Uhler, List Hem. Dak., Ind., Mont., 510 (*P. lineatus*).

1895. Goding, Syn. and Cat. N. A. Cercopidæ (*P. lineatus* in part).

1895. Gillette & Baker, Prelim. List Hem. Colo., p. 70 (*P. lineatus*).

This is the very common western species, heretofore referred to *lineatus*. Say's colour description is a very good one. It is a larger, more robust species than *lineatus*, with the elytra broader in proportion to the width. The face is very much more strongly convex as viewed from the side than in *lineatus*. There are also other minor differences.

I have specimens of a small male variety from Northern Colorado in which the head and thorax are darker, and the elytra, except the usual costal markings, black.

Philænus americanus, n. sp.

Resembling *bilineatus* in size and form as viewed from above. It has the flatter face of *lineatus*, which it resembles very closely in colour. It, however, differs very markedly in the elytral venation, which is very weak and distally broken up into irregular reticulations. The vertex is longer in proportion to length of pronotum than in *lineatus*. Length, 6 mm.

I have before me nine specimens, all very uniform in characters, sent by Prof. A. P. Morse, of Wellesley College, from the following localities: Dover, Mass., June 26; Wellesley, Mass., Aug. 8; Thompson, Conn., Aug. 4.